

FIG. 1

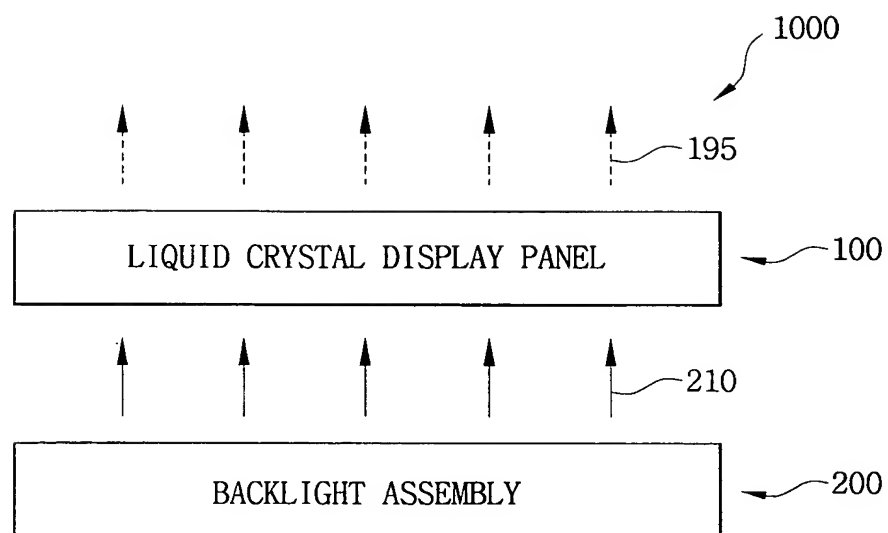


FIG. 2

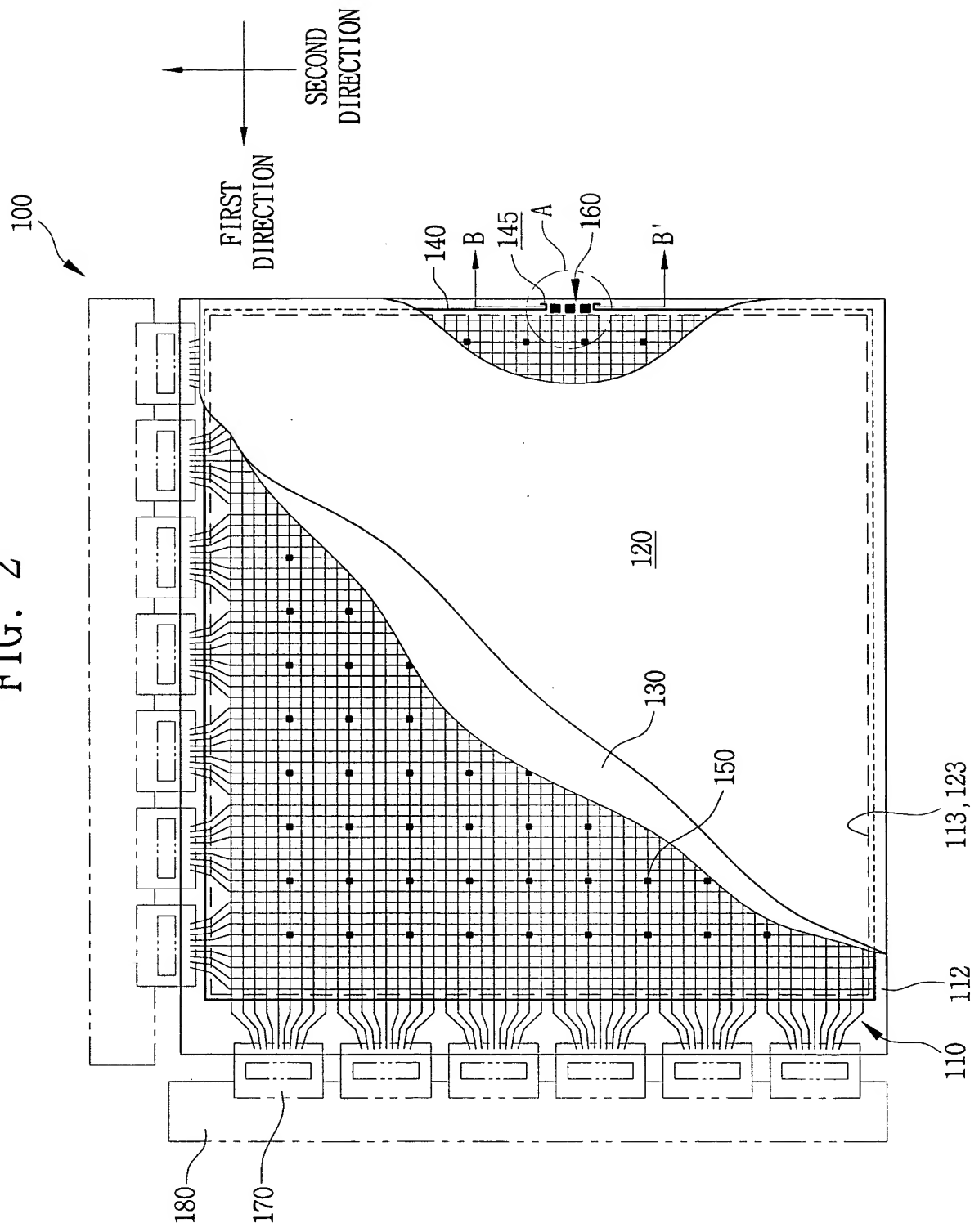


FIG. 3

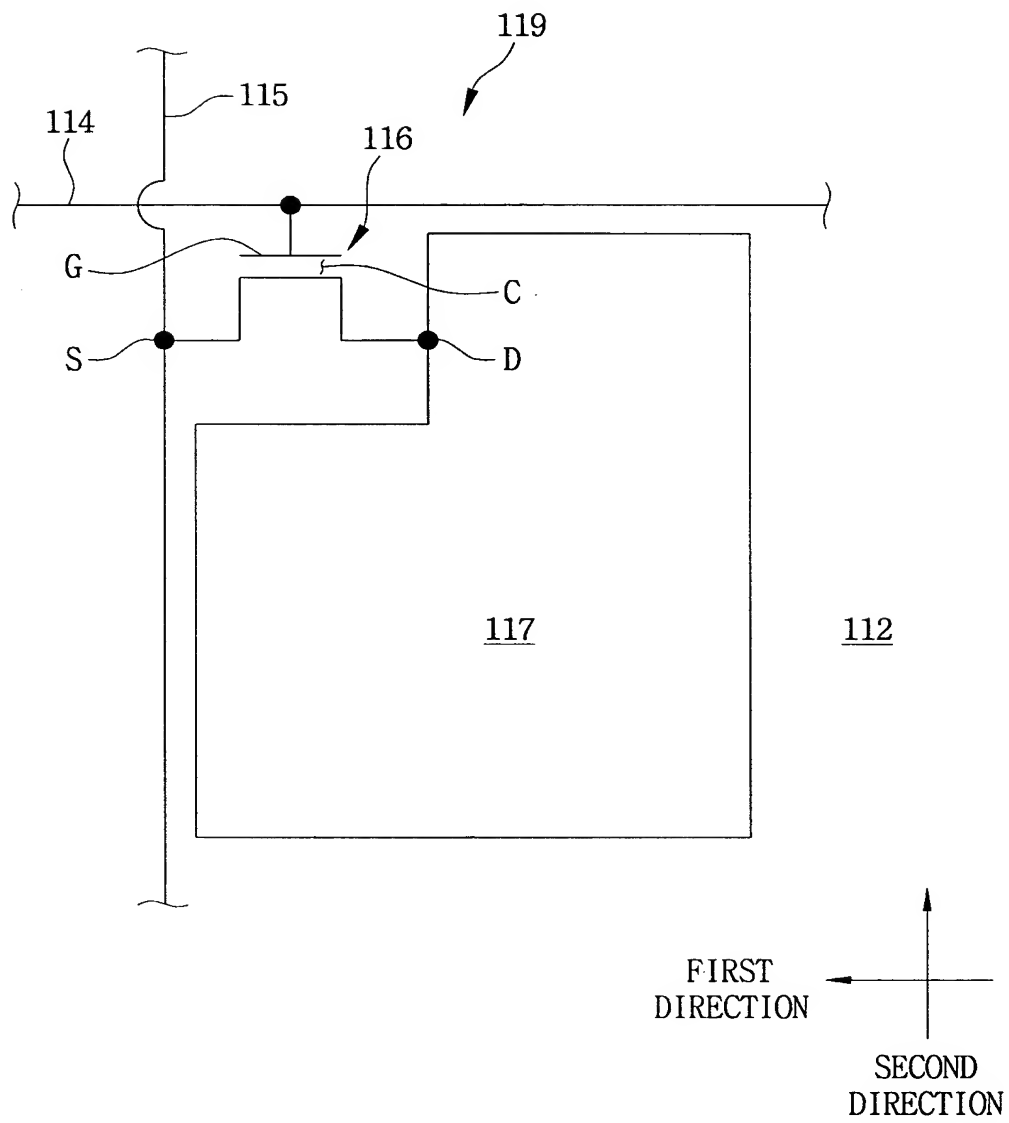


FIG. 4

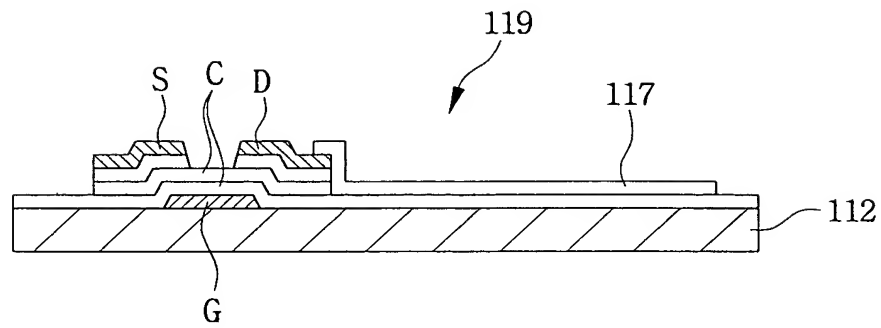


FIG. 5

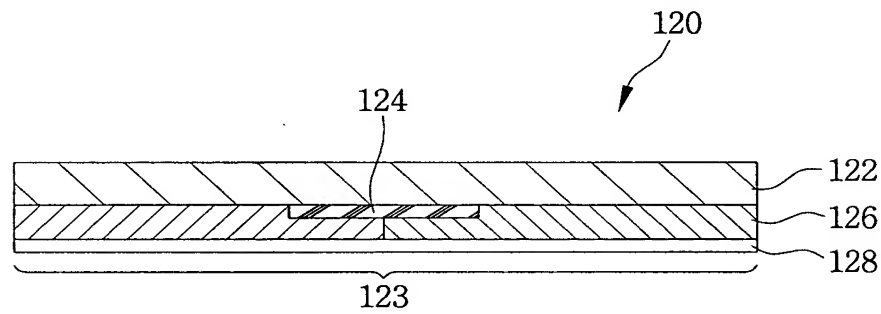


FIG. 6

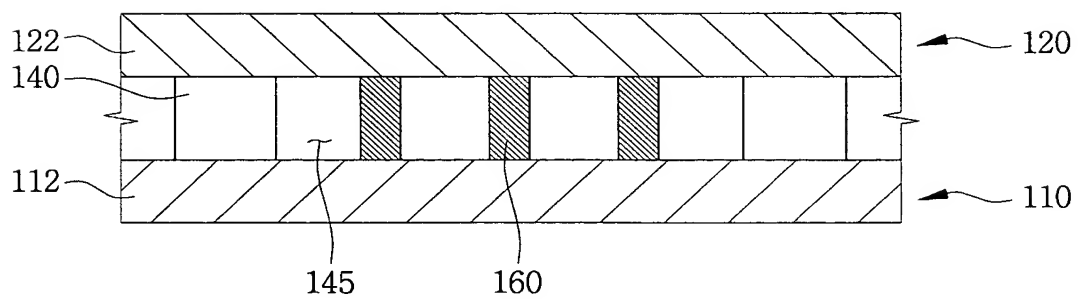
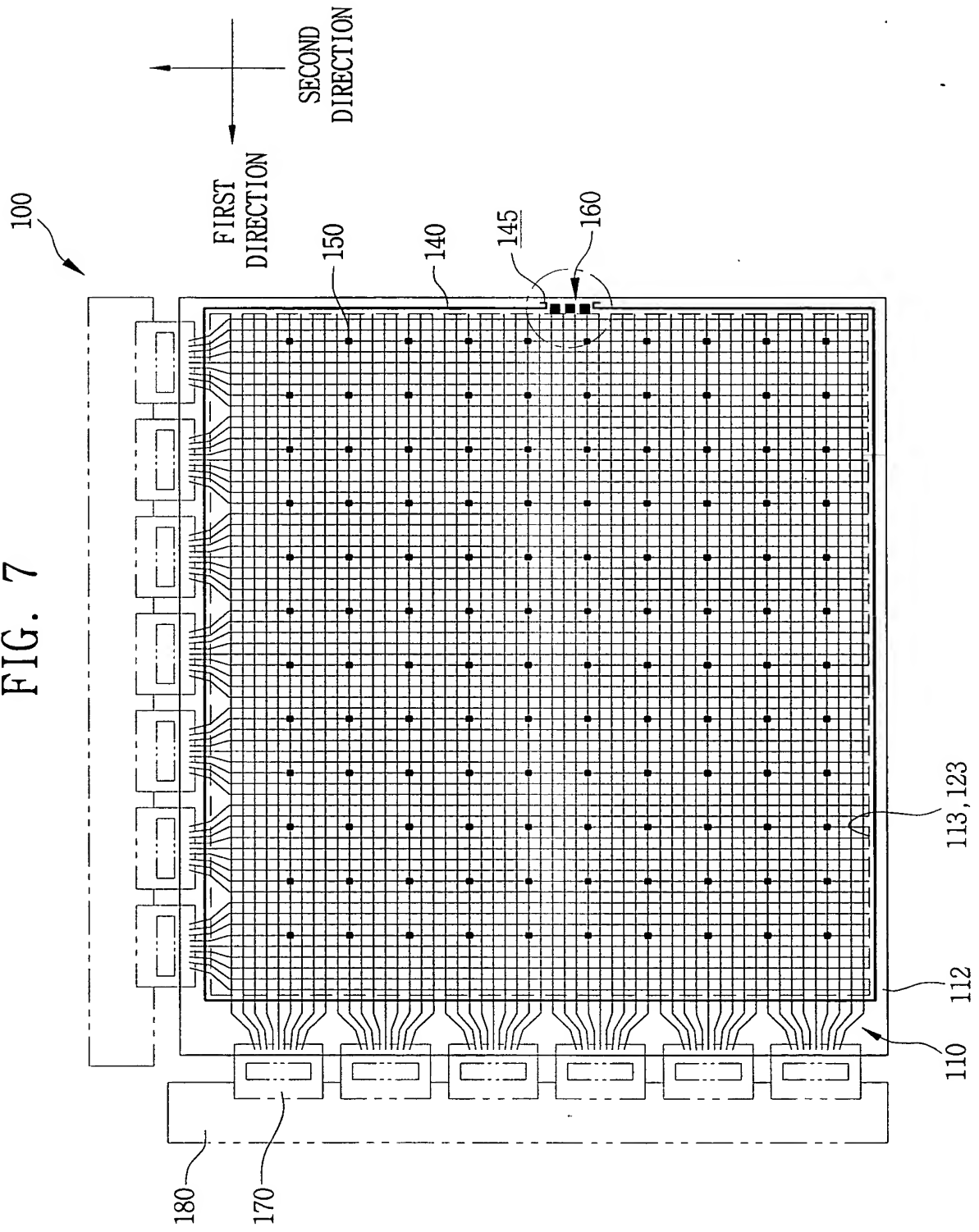


FIG. 7



A cross-sectional view of a substrate 110. A layer 112 is formed on the top surface of the substrate 110. The layer 112 contains a pattern of openings 145 and 160. The openings 145 are rectangular and filled with a material having diagonal hatching. The openings 160 are rectangular and filled with a material having a different diagonal hatching pattern. The substrate 110 is shown with a break line on the right side.

FIG. 10

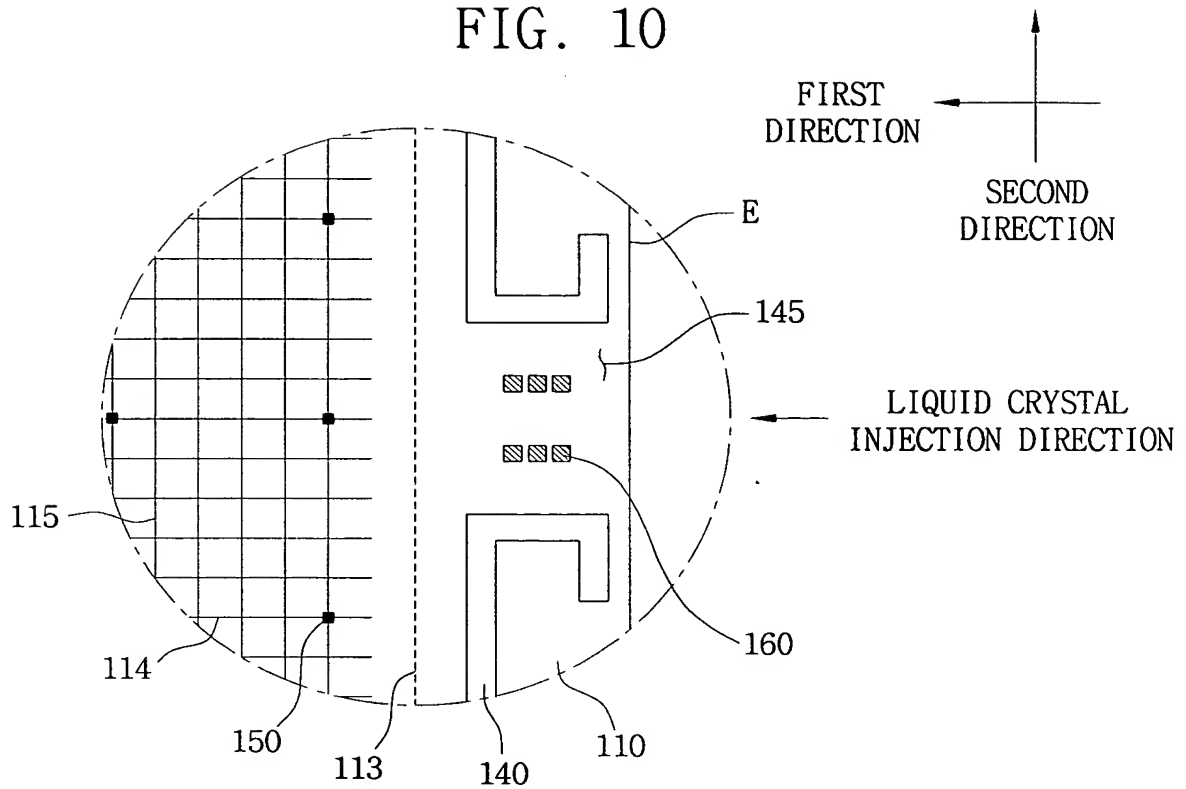


FIG. 11

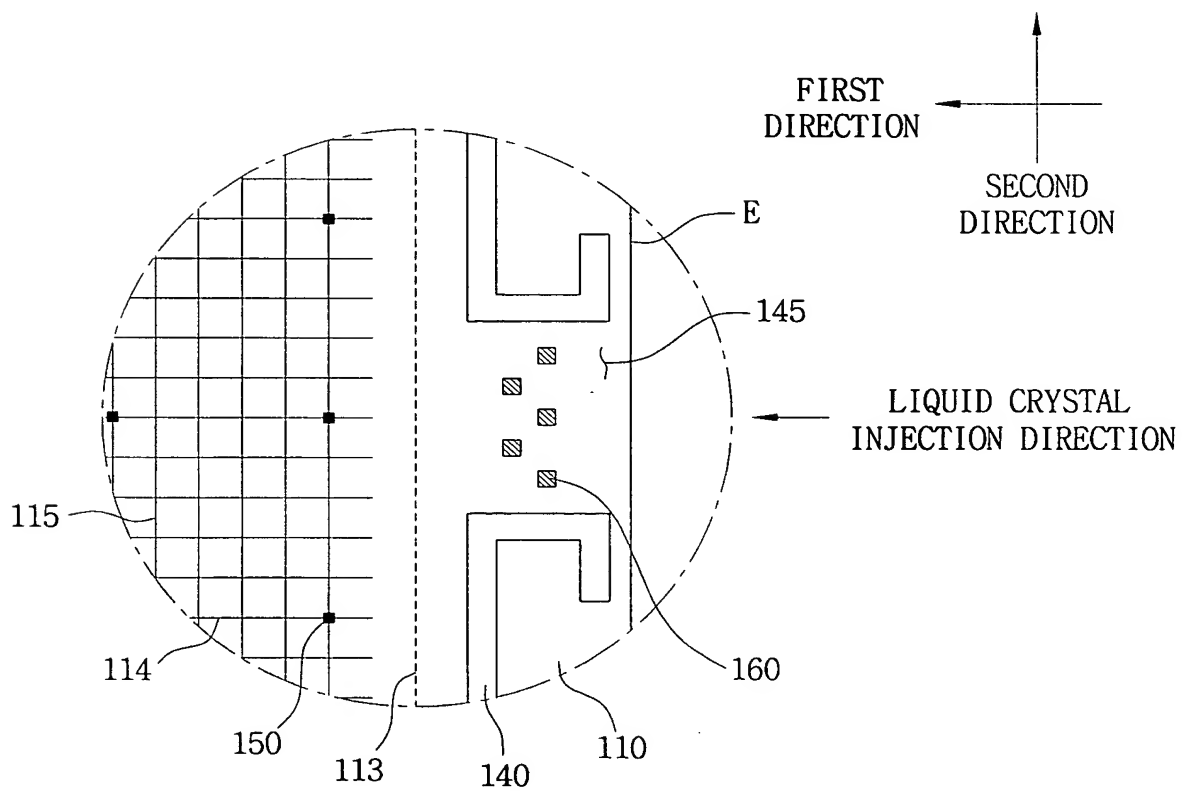


FIG. 12

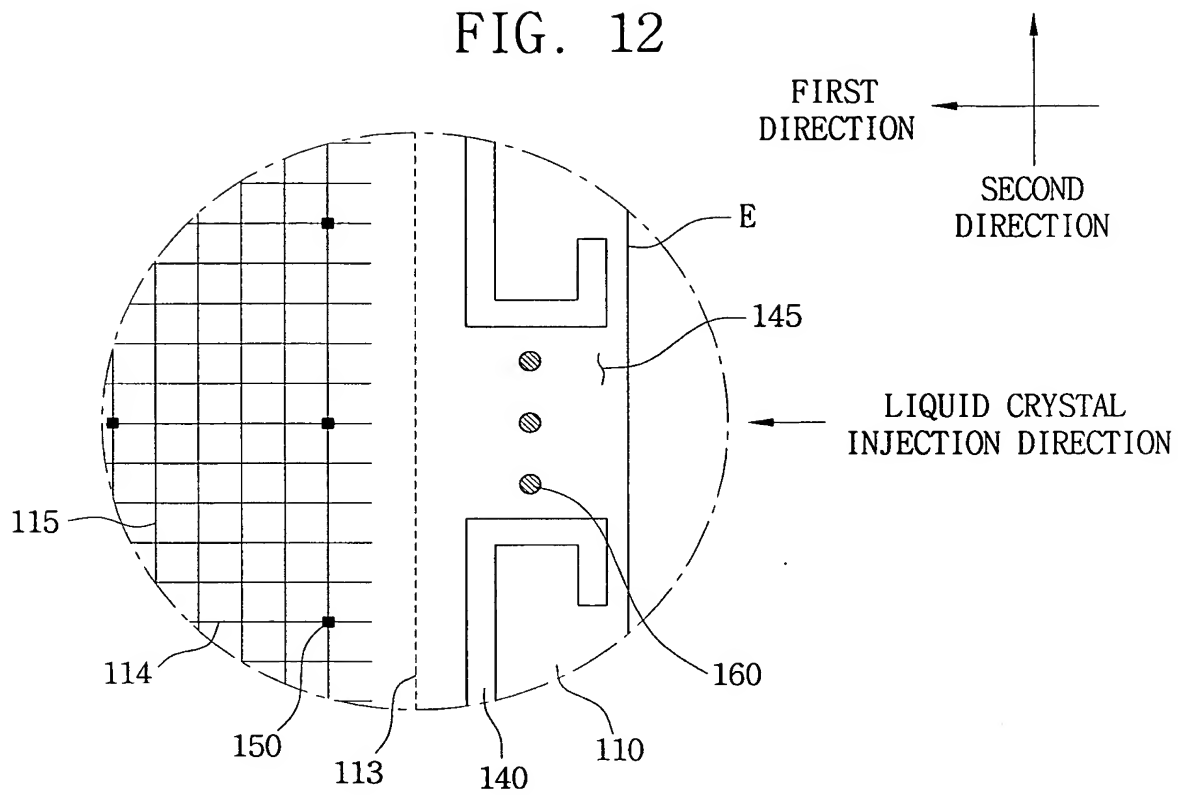


FIG. 13

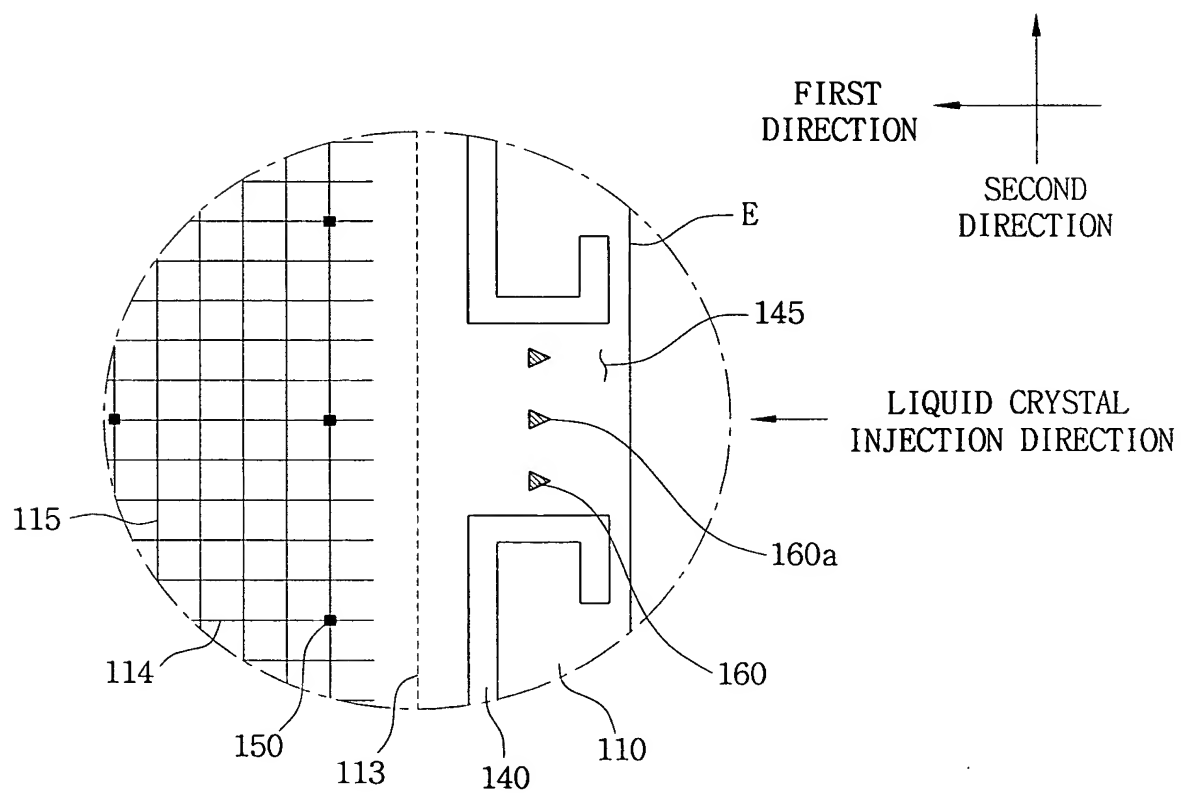




FIG. 14

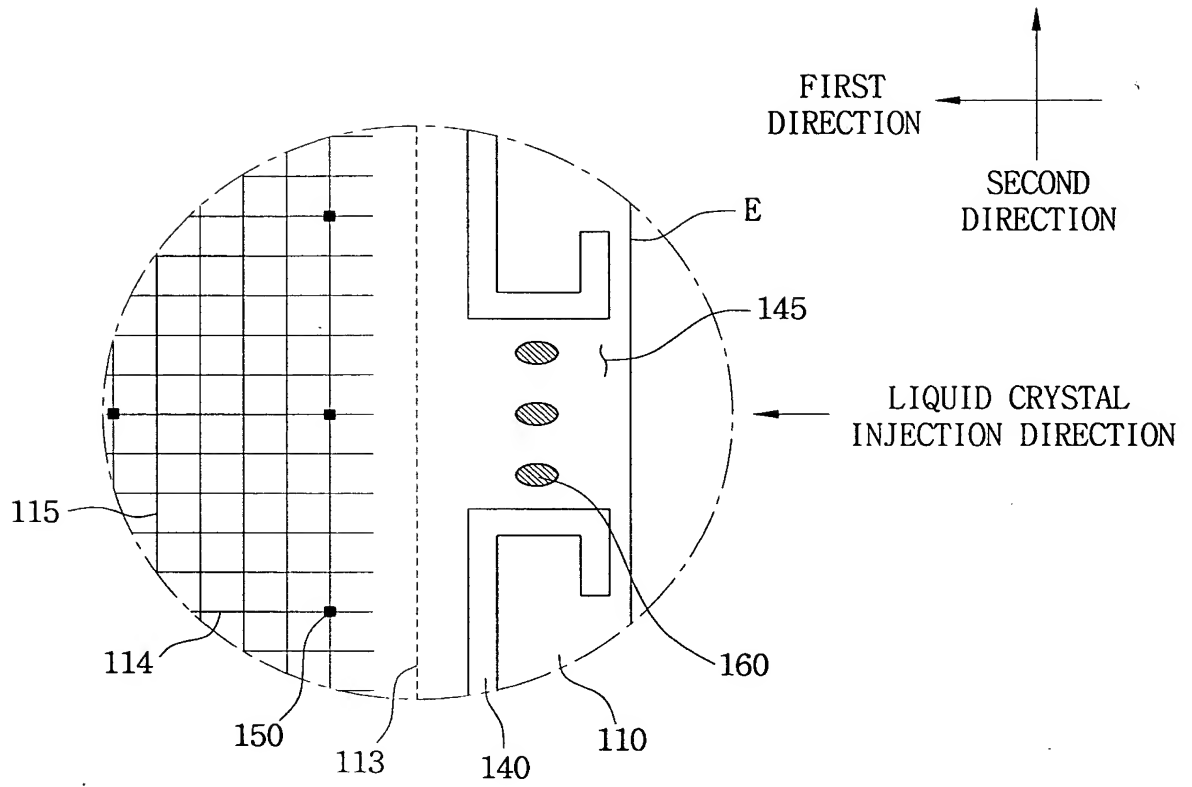


FIG. 15

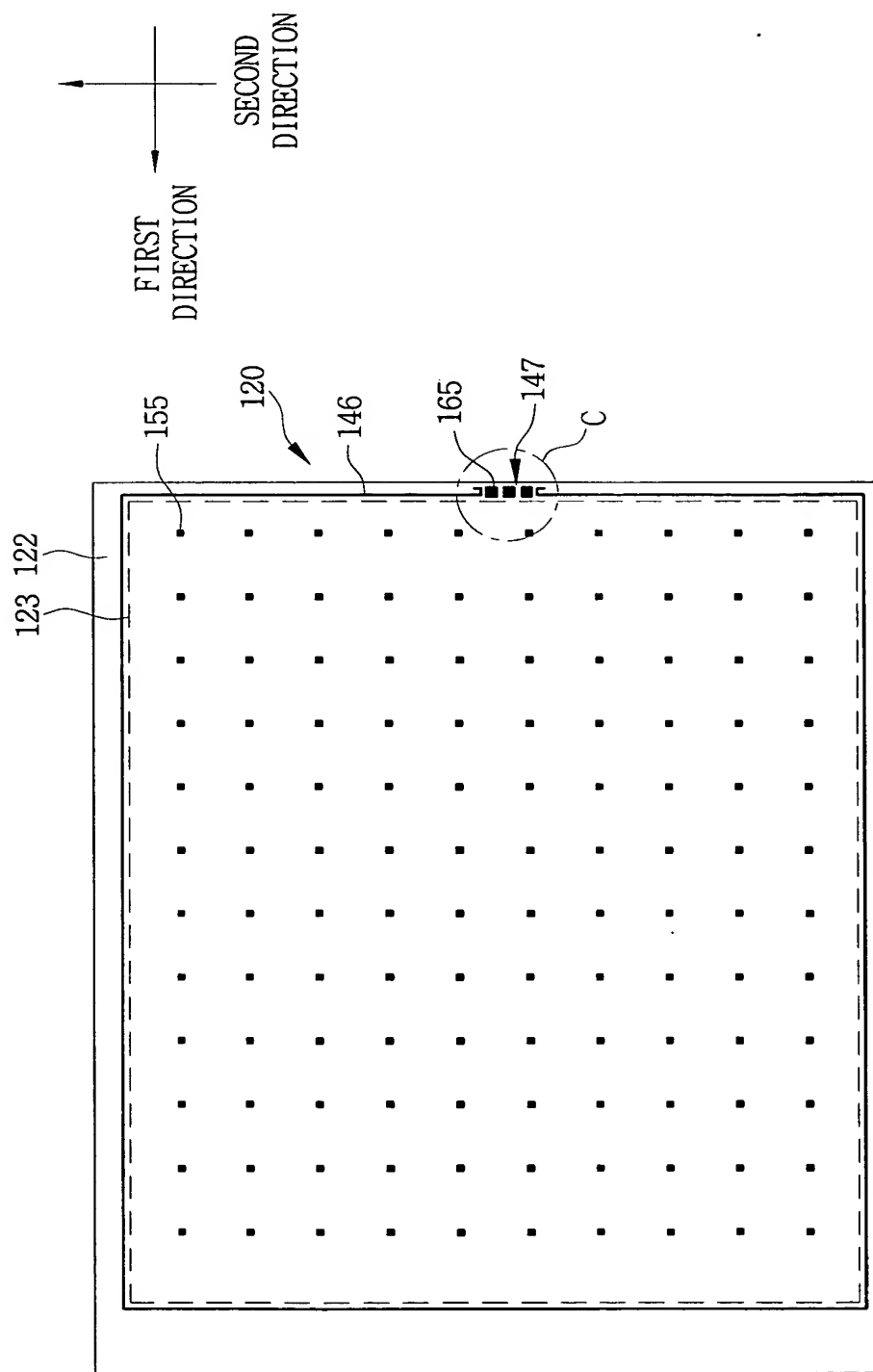


FIG. 16

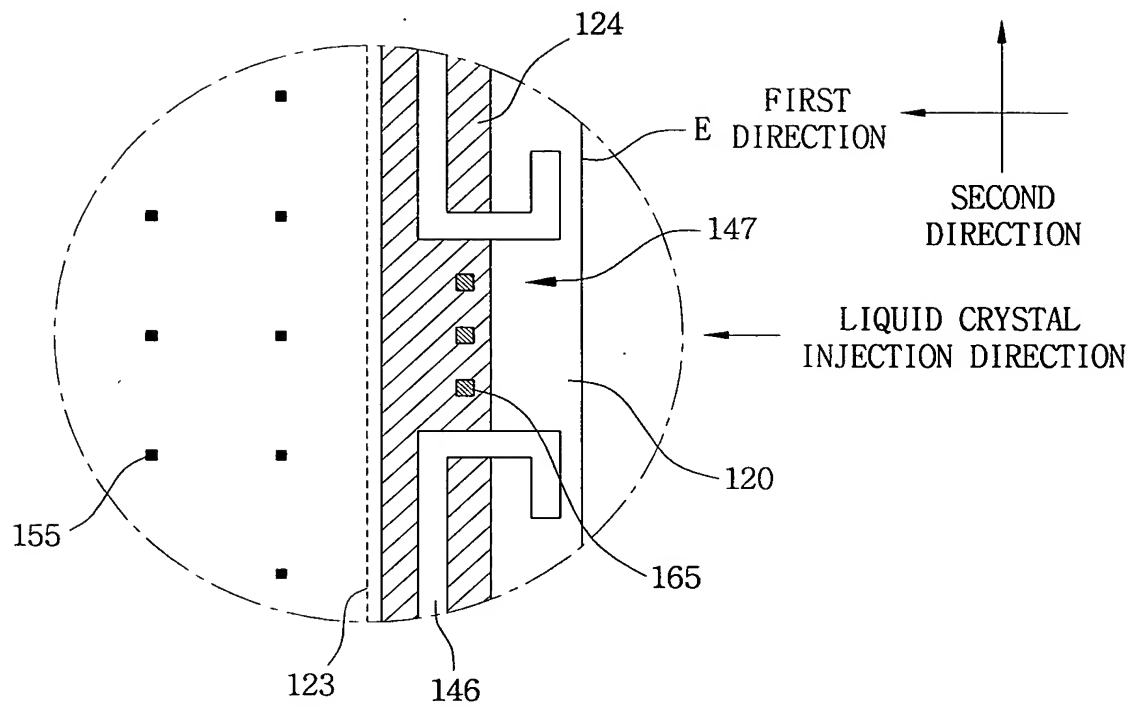


FIG. 17

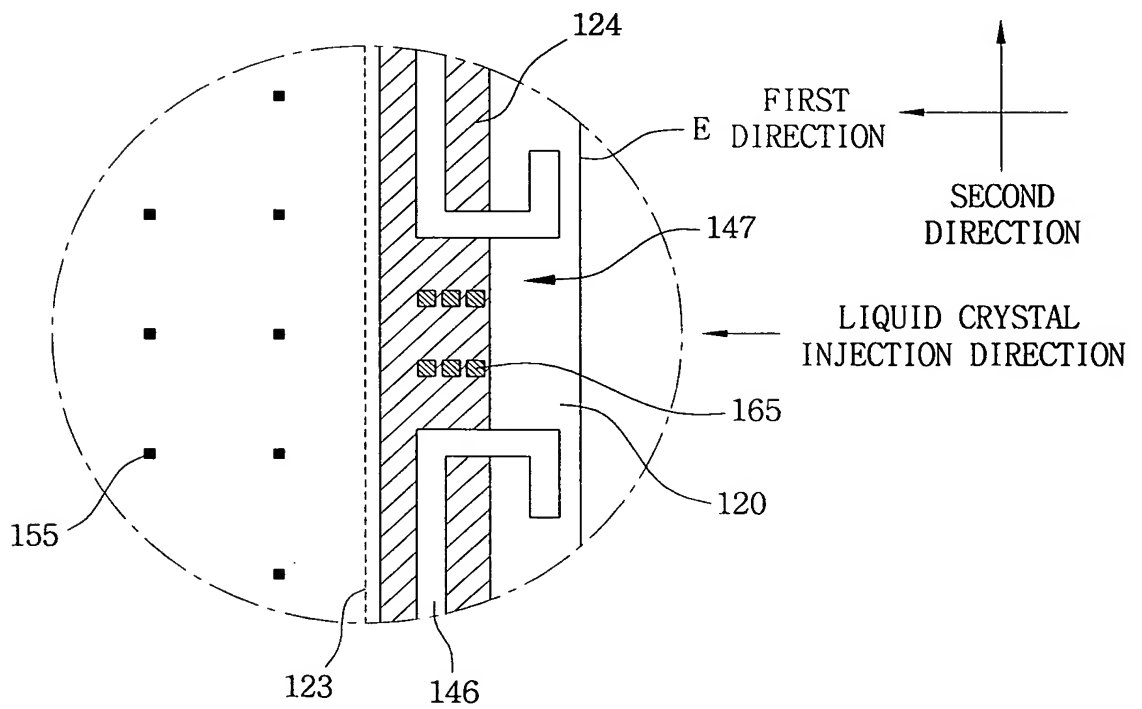


FIG. 18

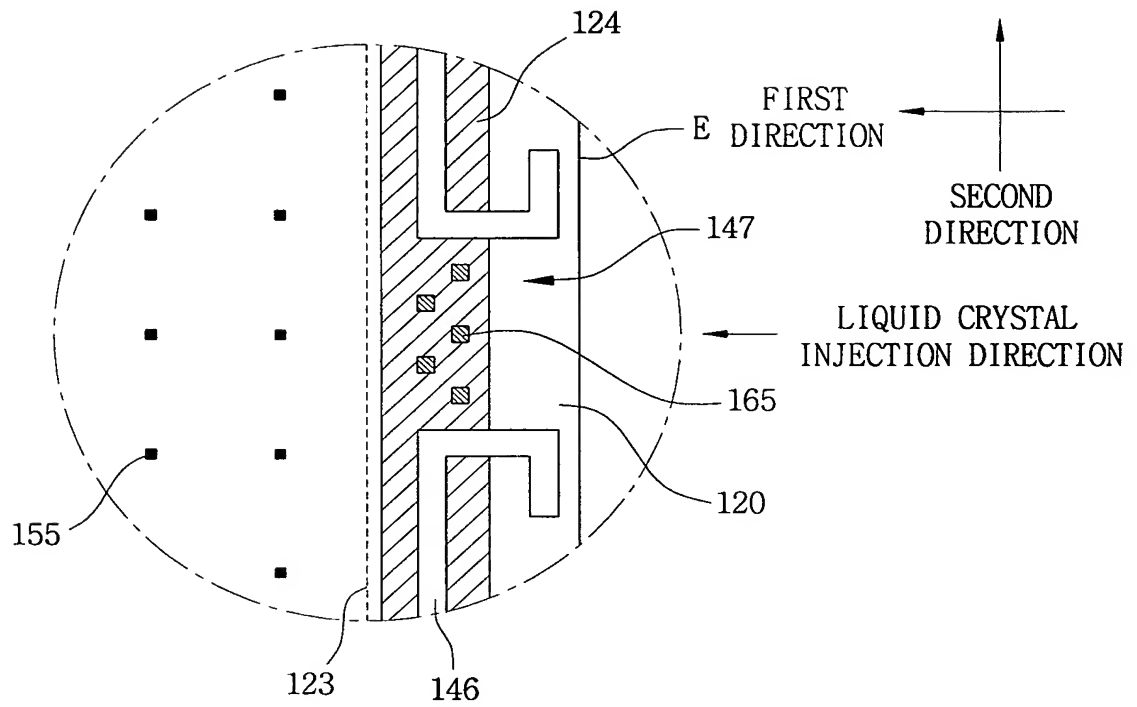


FIG. 19

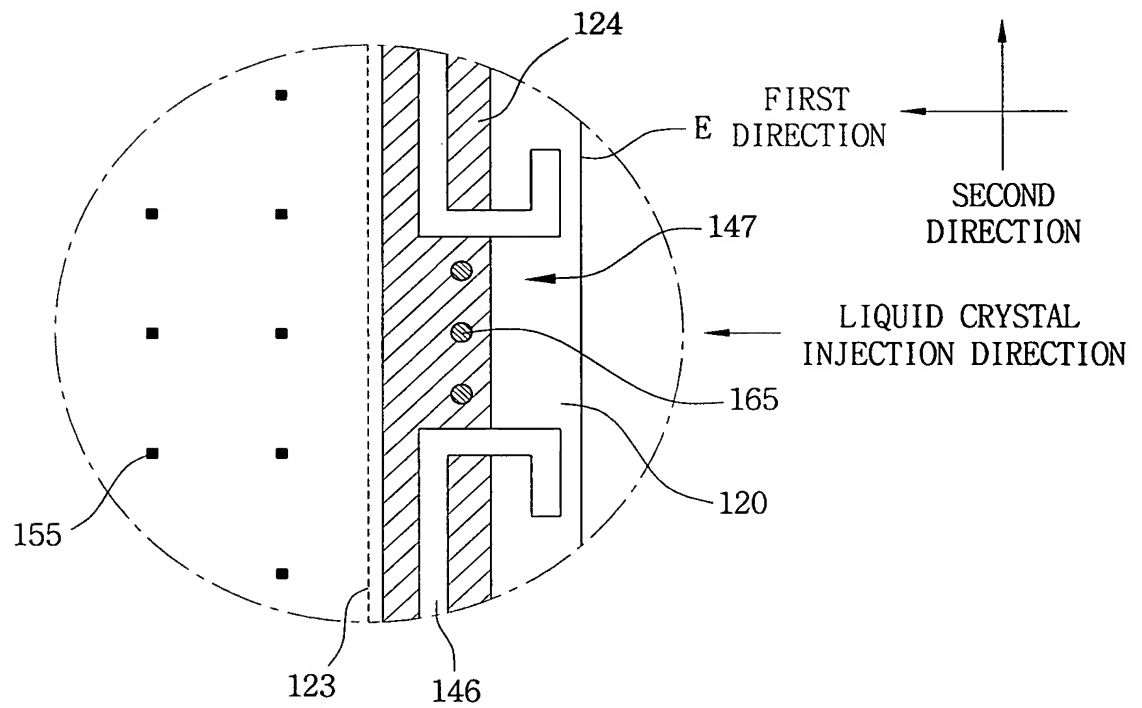


FIG. 20

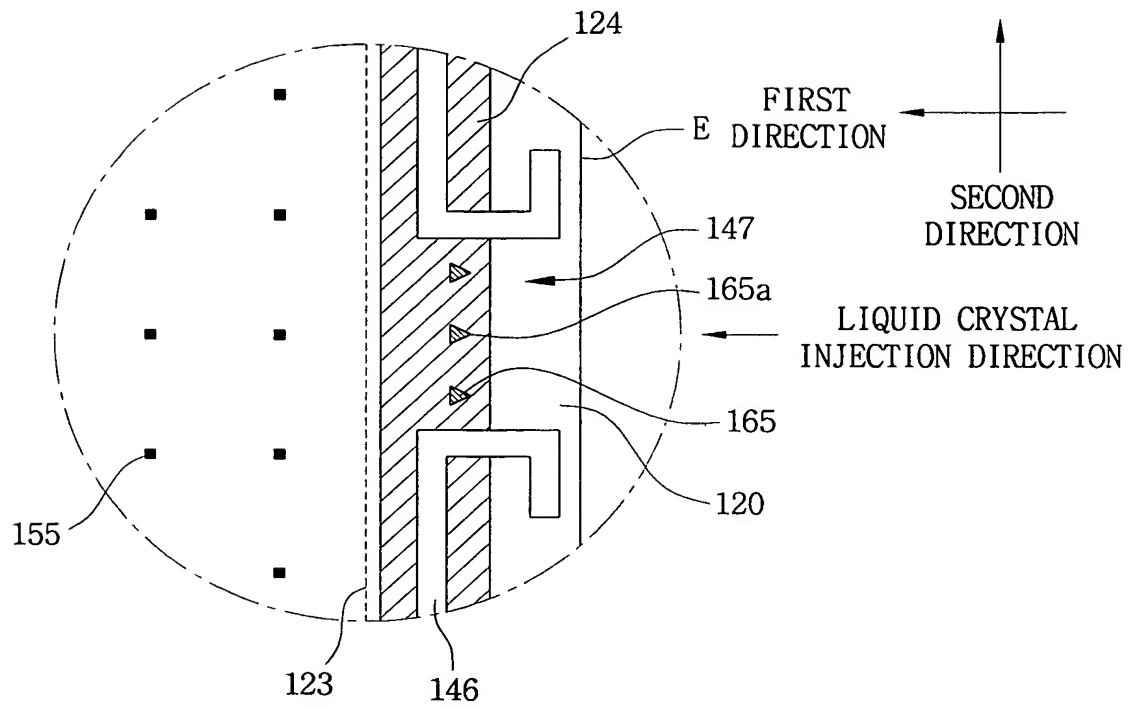


FIG. 21

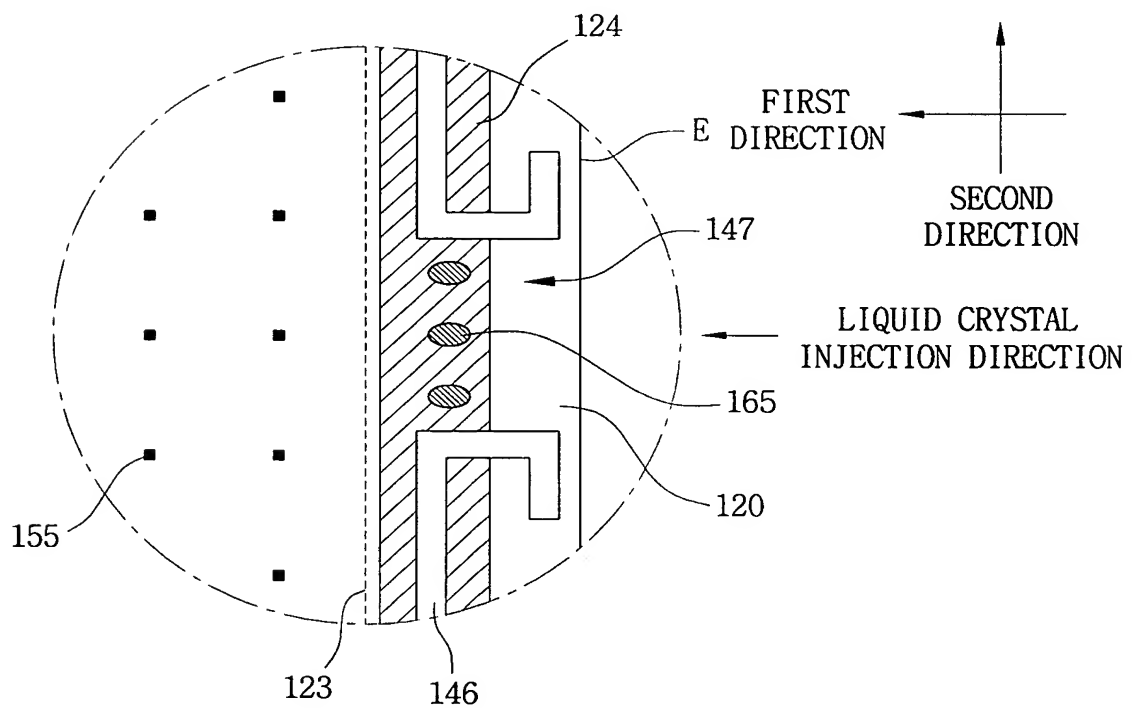


FIG. 22

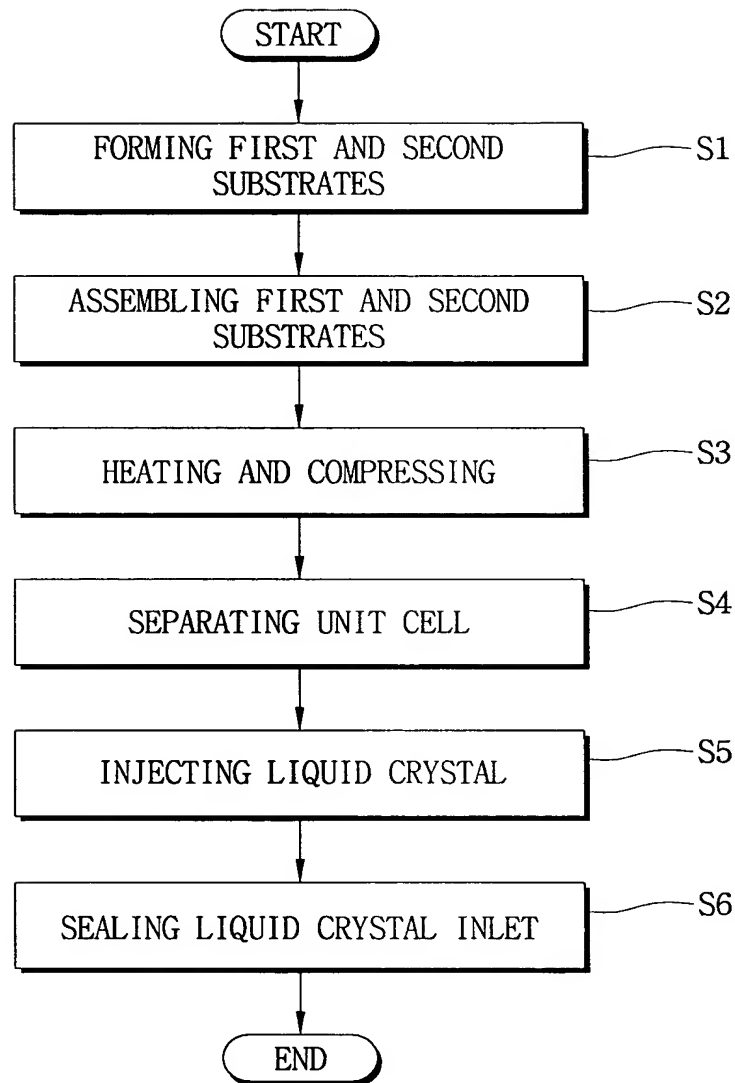


FIG. 23

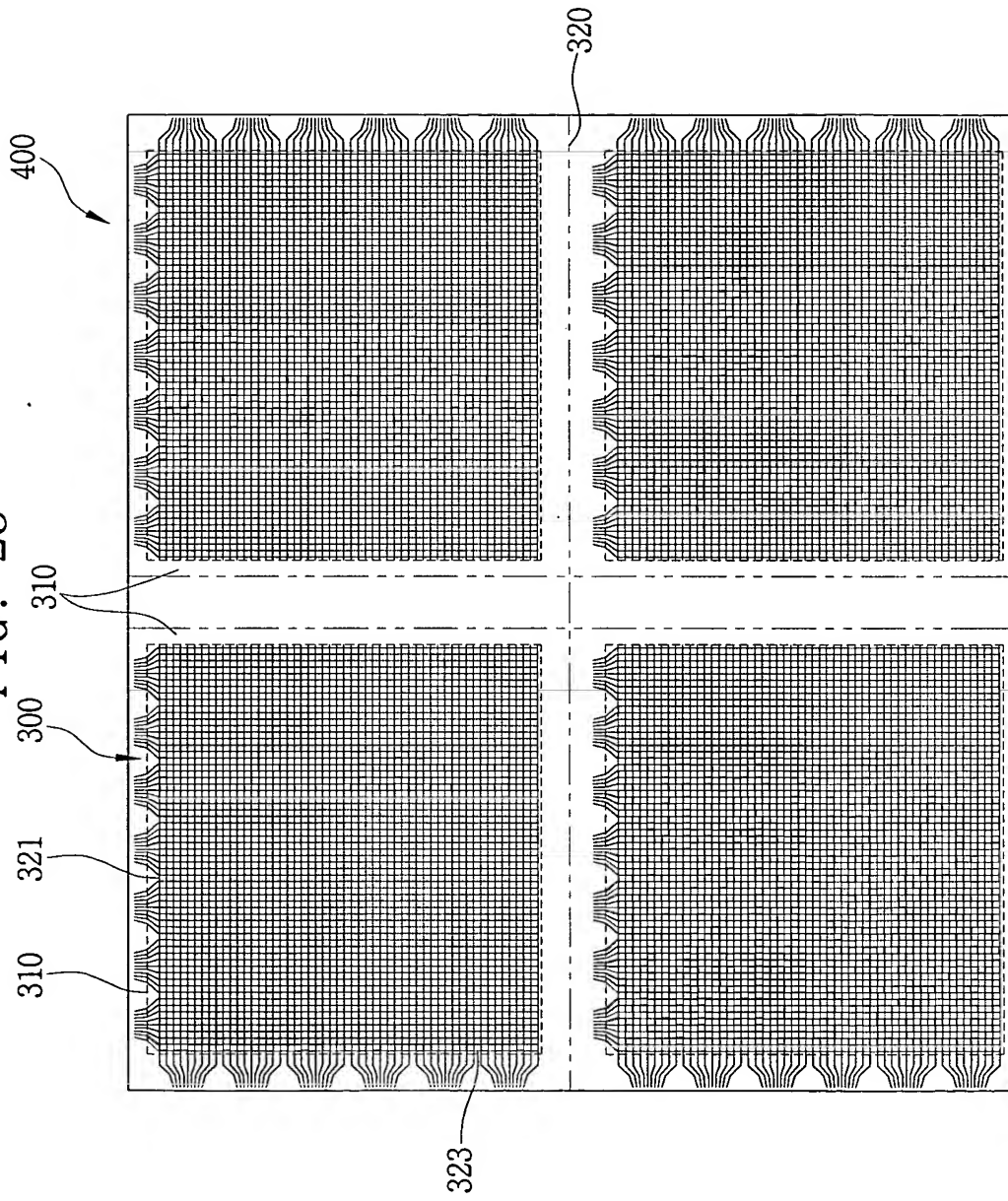


FIG. 24

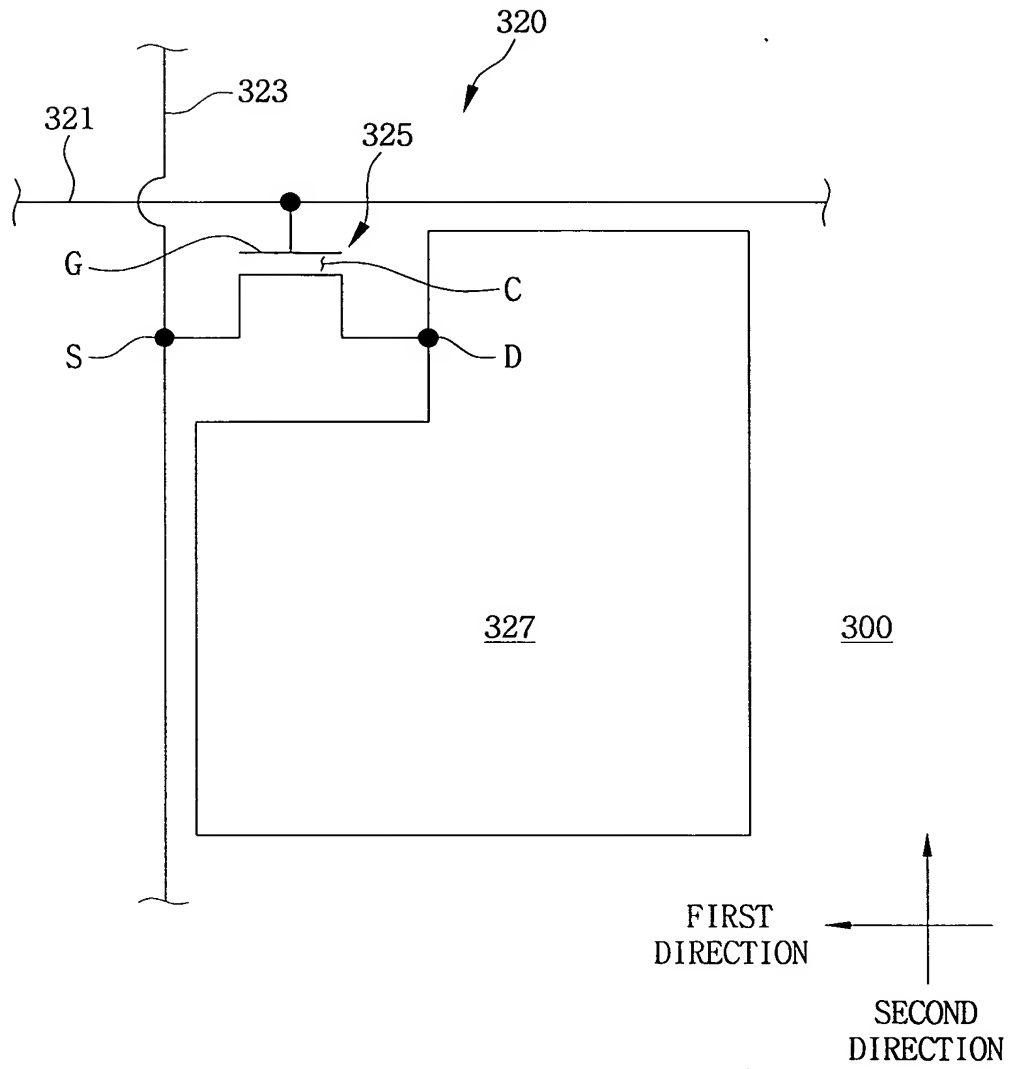


FIG. 25

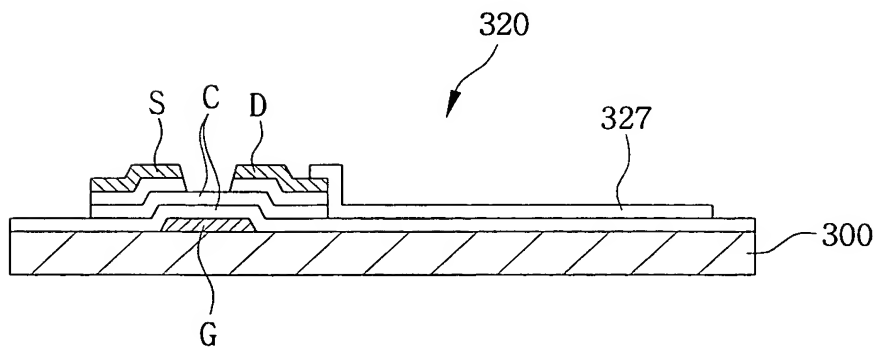




FIG. 26

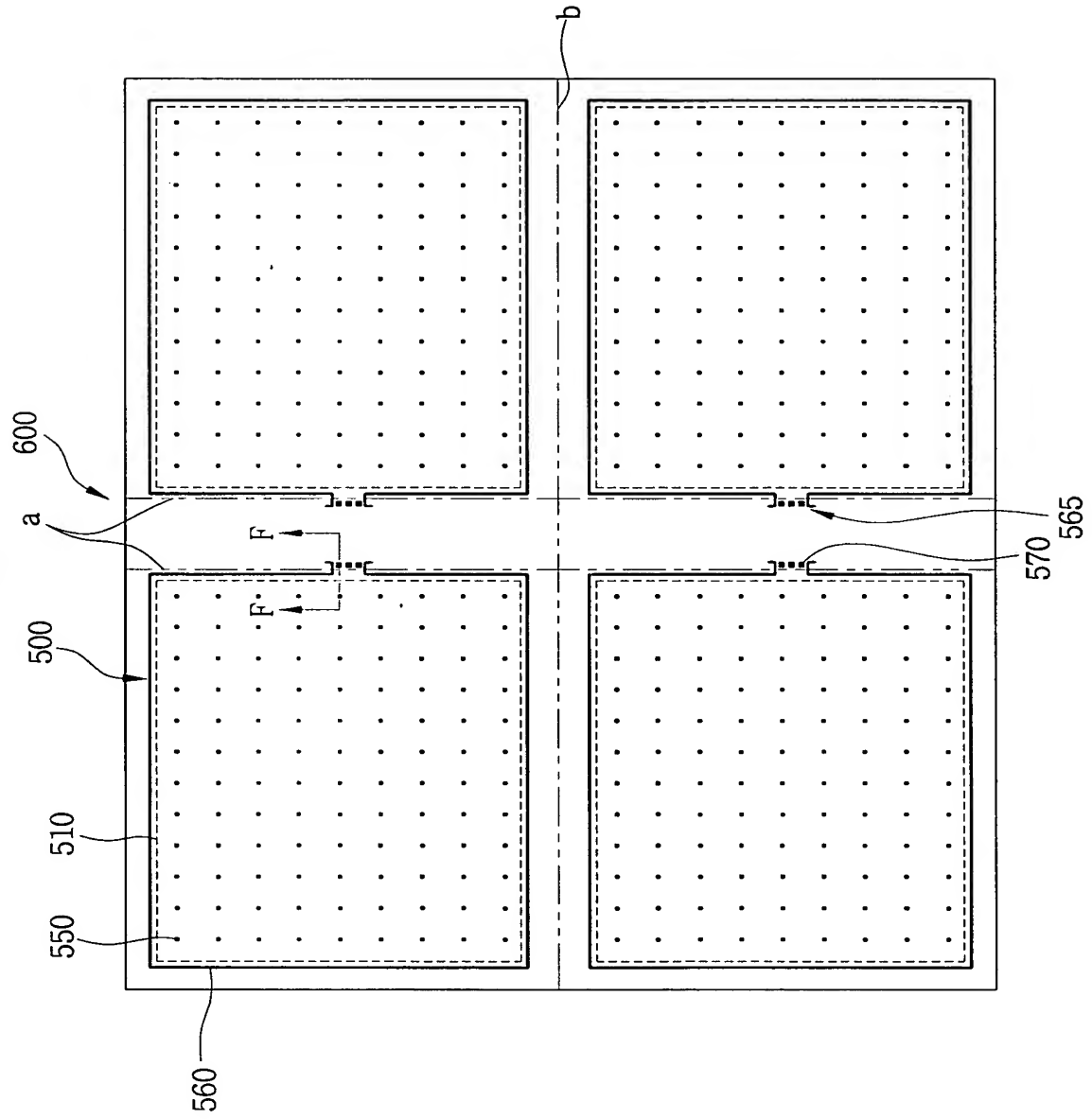


FIG. 27

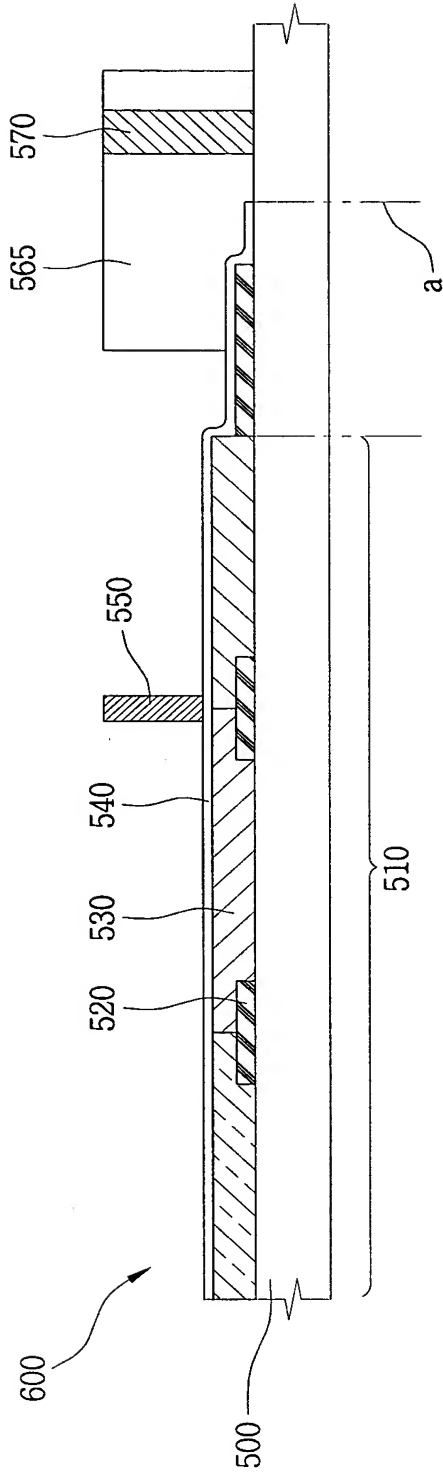


FIG. 28

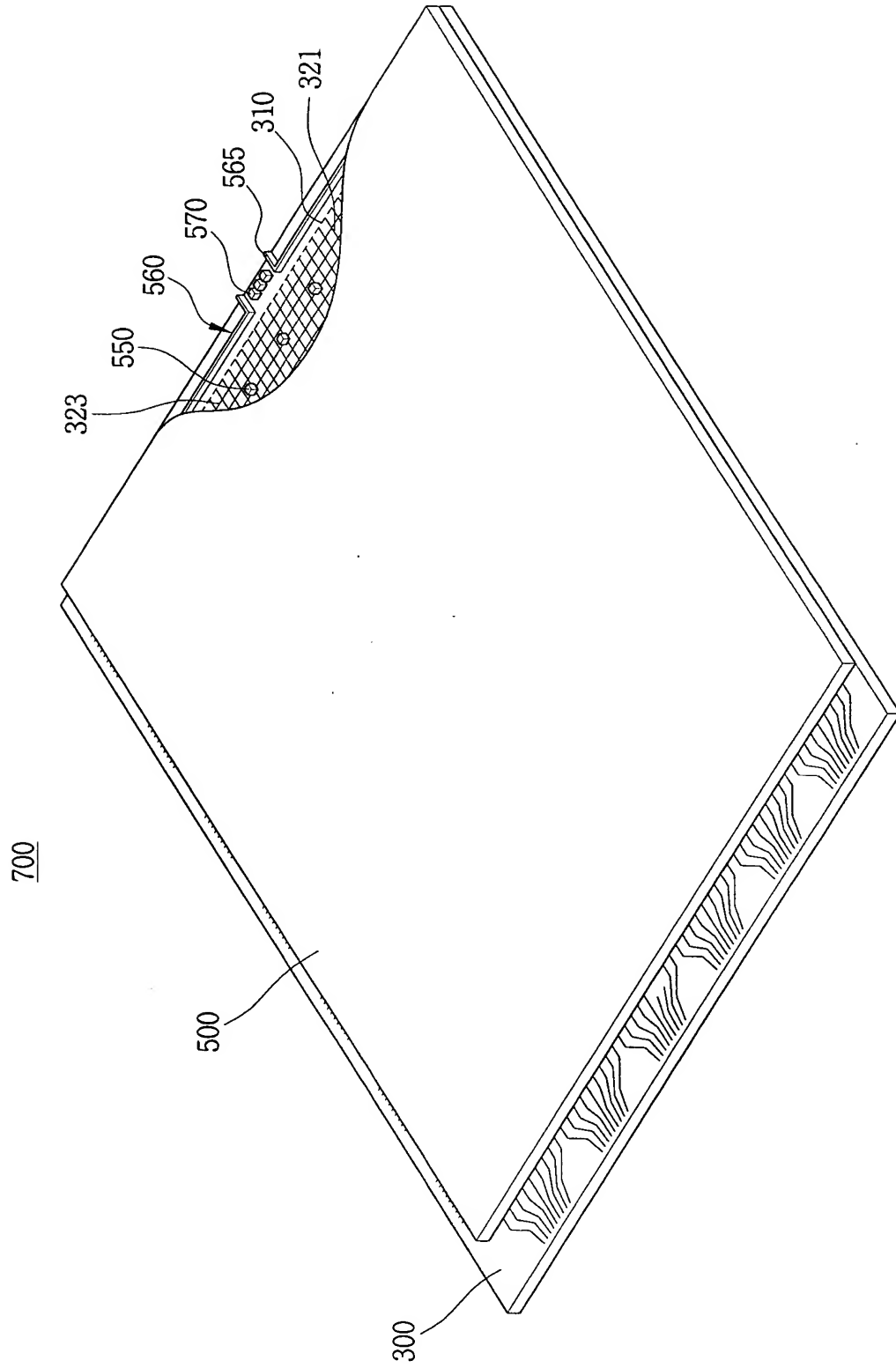


FIG. 29

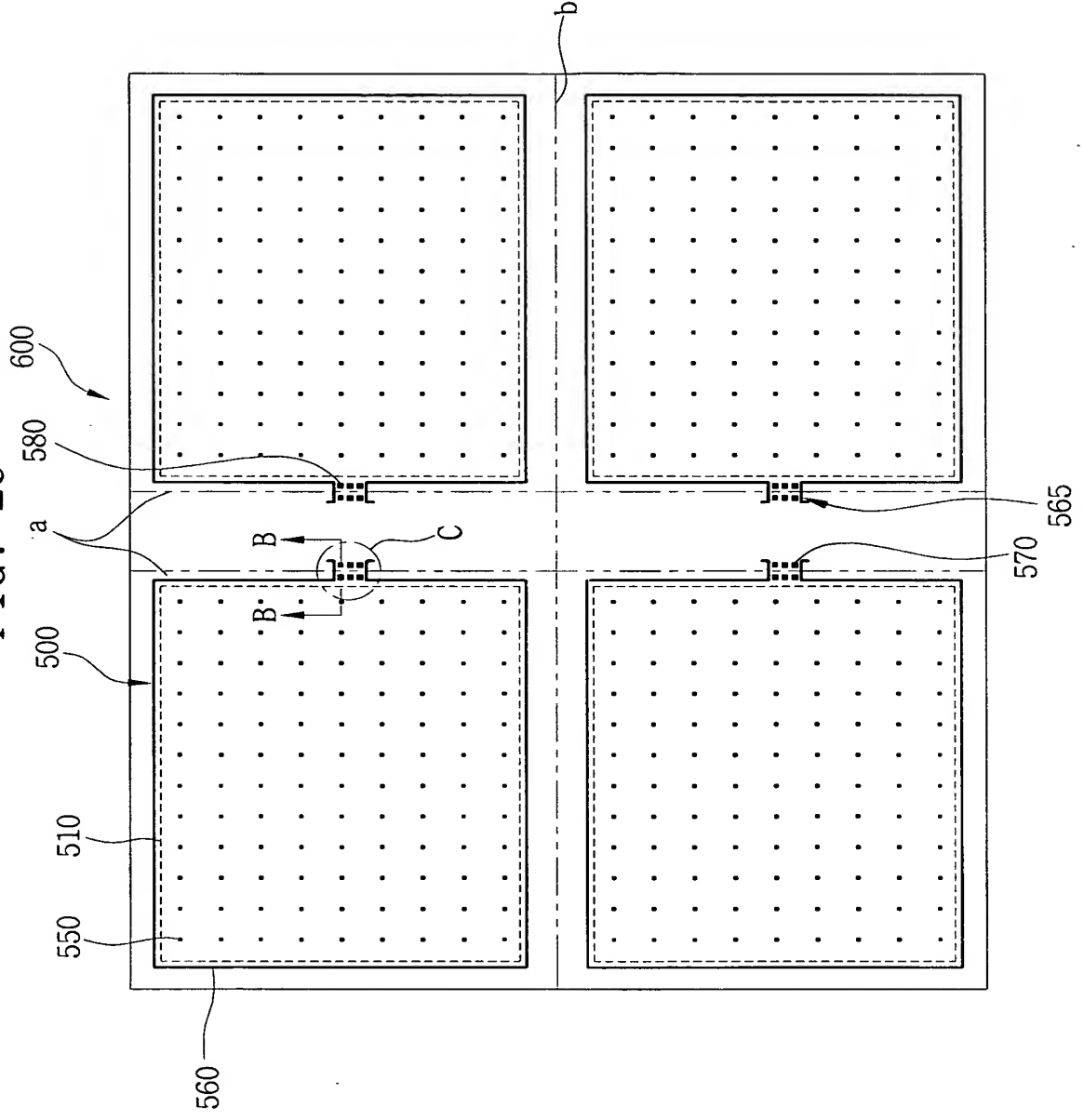


FIG. 30

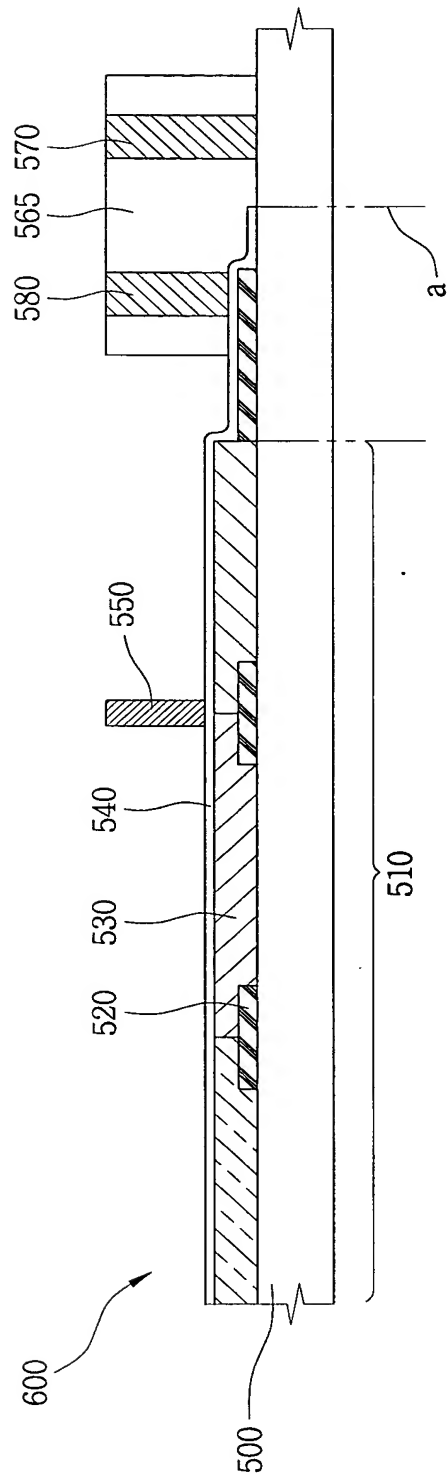


FIG. 31

This diagram shows a cross-sectional view of a liquid crystal display cell. A circular region, labeled 300, represents the liquid crystal injection port. The port is defined by a dashed line 450. Inside the port, there is a central vertical structure 420, which is a part of a larger structure 400. The structure 400 has a top surface 460 and a bottom surface 465. The central structure 420 has a top surface 480 and a bottom surface 410. The liquid crystal is injected from the right side of the port, as indicated by the arrow labeled "LIQUID CRYSTAL INJECTION DIRECTION". The injection direction is perpendicular to the "FIRST DIRECTION" and "SECOND DIRECTION" axes. The "FIRST DIRECTION" is horizontal, and the "SECOND DIRECTION" is vertical. The liquid crystal is represented by small squares 470. The central structure 420 is shown with a hatched pattern. The label 'a' is located near the bottom right of the port.

FIG. 33

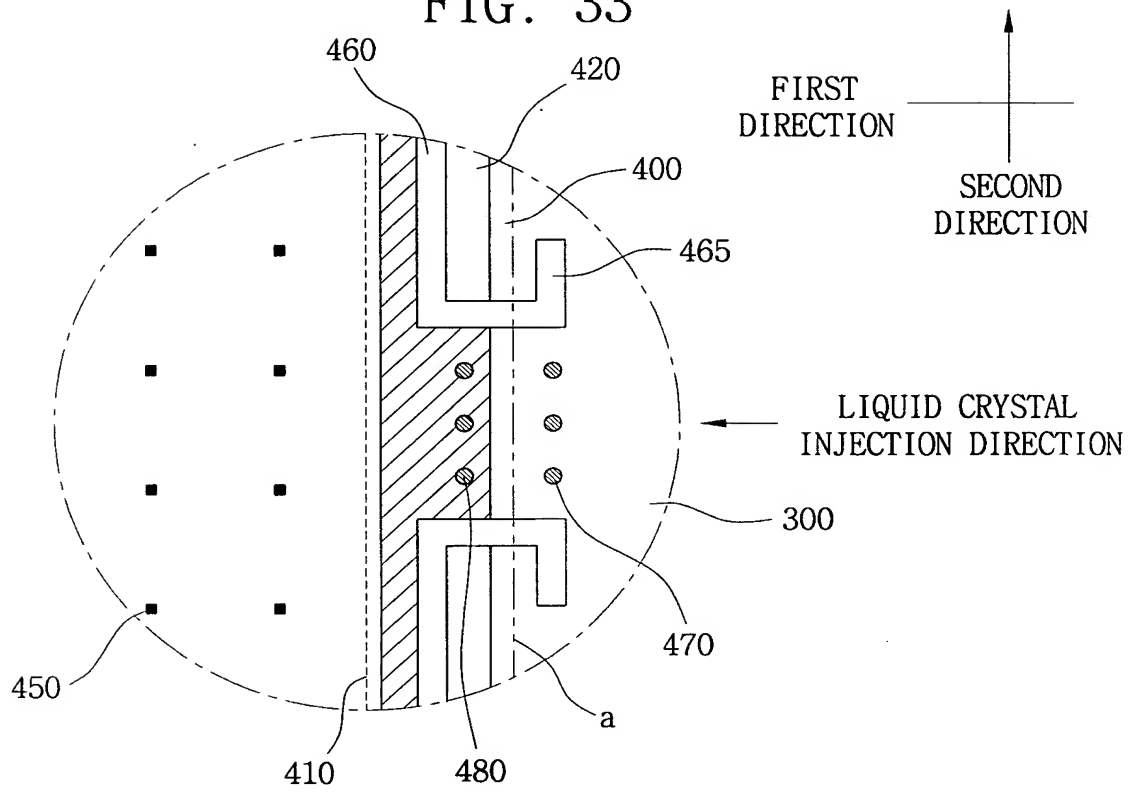


FIG. 34

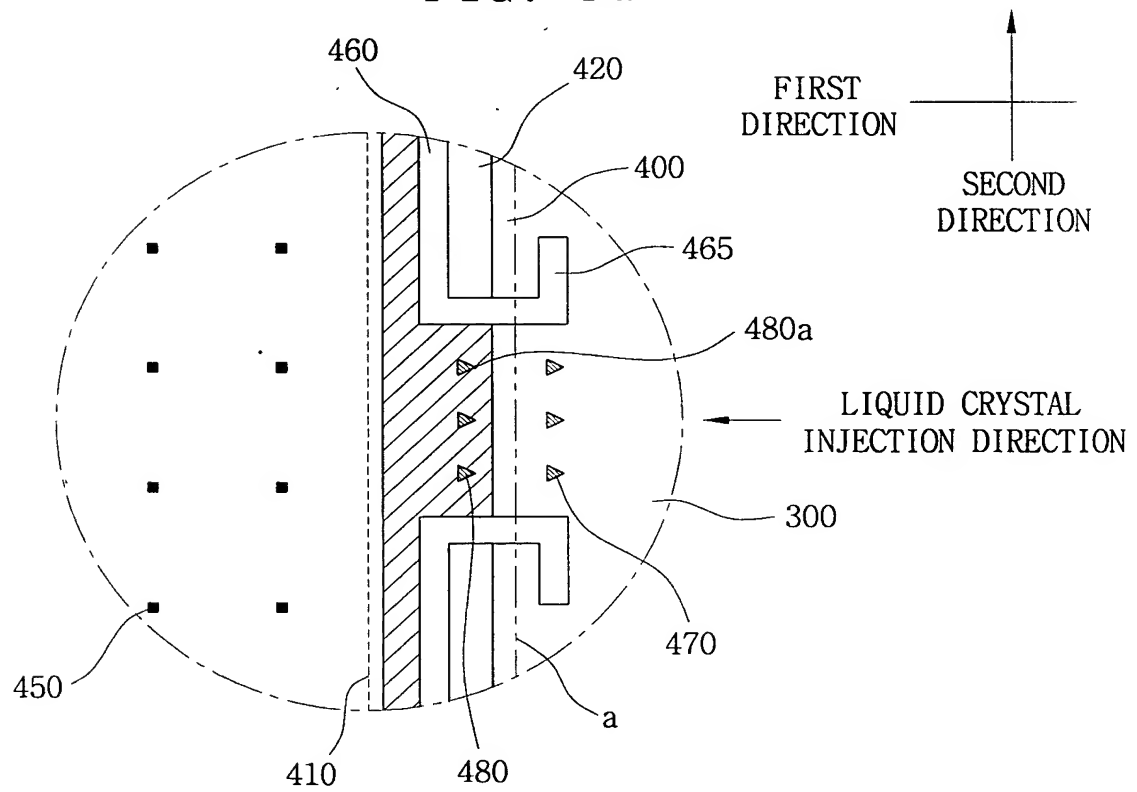


FIG. 35

